

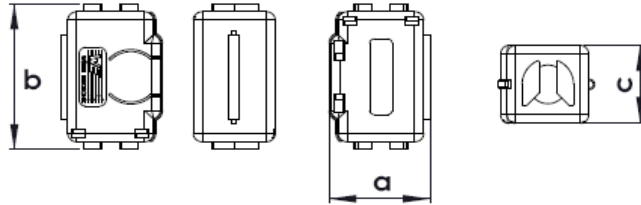
Spezifikation für Freigabe / specification for release

Kunde / customer : _____
 Artikelnummer / part number : **74271633S**
 Bezeichnung : **STAR-GAP mit def. Luftspalt und Sicherheitsverschluss**
 description : **STAR-GAP with defined air gap and Safety Lock**



DATUM / DATE : 2007-01-22

A Mechanische Abmessungen / dimensions:



| | | |
|---|------------------|----|
| a | 21,7 typ | mm |
| b | 35,1 typ. | mm |
| c | 19,0 typ. | mm |
| definierter Luftspalt / defined airgap | | |
| d | 0,8 | mm |
| für Kabeldurchmesser / for cable diameter | | |
| Ø | 4,5 ~ 8,0 | mm |

B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties | Testbedingungen / test conditions | | 1 Windung / 1 turn | 2 Windungen / 2 turns | Einheit / unit | Tol. |
|----------------------------|-----------------------------------|---|--------------------|-----------------------|----------------|-------|
| Impedanz @ 4396B | 25 MHz | Z | 28 | 90 | Ω | ± 25% |
| Impedance @ 4396B | | | | | | |
| Impedanz @ 4396B | 100 MHz | Z | 100 | 400 | Ω | ± 25% |
| Impedance @ 4396B | | | | | | |
| Impedanz @ 360B | 200 MHz | Z | 190 | 900 | Ω | ± 25% |
| Impedance @ 360B | | | | | | |
| Impedanz @ 360B | 300 MHz | Z | 250 | 1.750 | Ω | ± 25% |
| Impedance @ 360B | | | | | | |
| Impedanz @ 360B | 500 MHz | Z | 345 | 1.100 | Ω | ± 25% |
| Impedance @ 360B | | | | | | |

C Bild / picture:



D Prüfgeräte / test equipment:

Agilent 4396 B und/and 16092A fixture für/for Z bis/till 100MHz
AWG26 - Ø 0,5mm - Länge/length: 165 mm
Wiltron 360B and 3622A from 100Mhz to 1,5GHz
 Effects of test fixture and connecting line are compensated by **FEKO** - based on the method of moments (MoM)

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%
 Umgebungstemperatur / temperature: + 20°C

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: 4 W 620
 Kunststoff / plastic material: PA 66 / 6
 UL-Zulassungen / UL-approval: UL94-V0 / E53898
 Farbe / colour: schwarz / black

G Eigenschaften / general specifications:

Curietemperatur / curie temperature: + 150°C
 Gewicht / weight: 31g typ.
 Lagertemperatur / storage temperature: -40°C ~ + 85°C
 Betriebstemp. / operating temperature: -25°C ~ +105°C

| | | | |
|-------------------------------------|--------------------------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer | | |
| | | | |
| | | | |
| Datum / date | Unterschrift / signature | | |
| | Würth Elektronik | | |
| | | | |
| Geprüft / checked | Kontrolliert / approved | | |
| | Name | Änderung / modification | Datum / date |

Würth Elektronik eiSos GmbH & Co. KG

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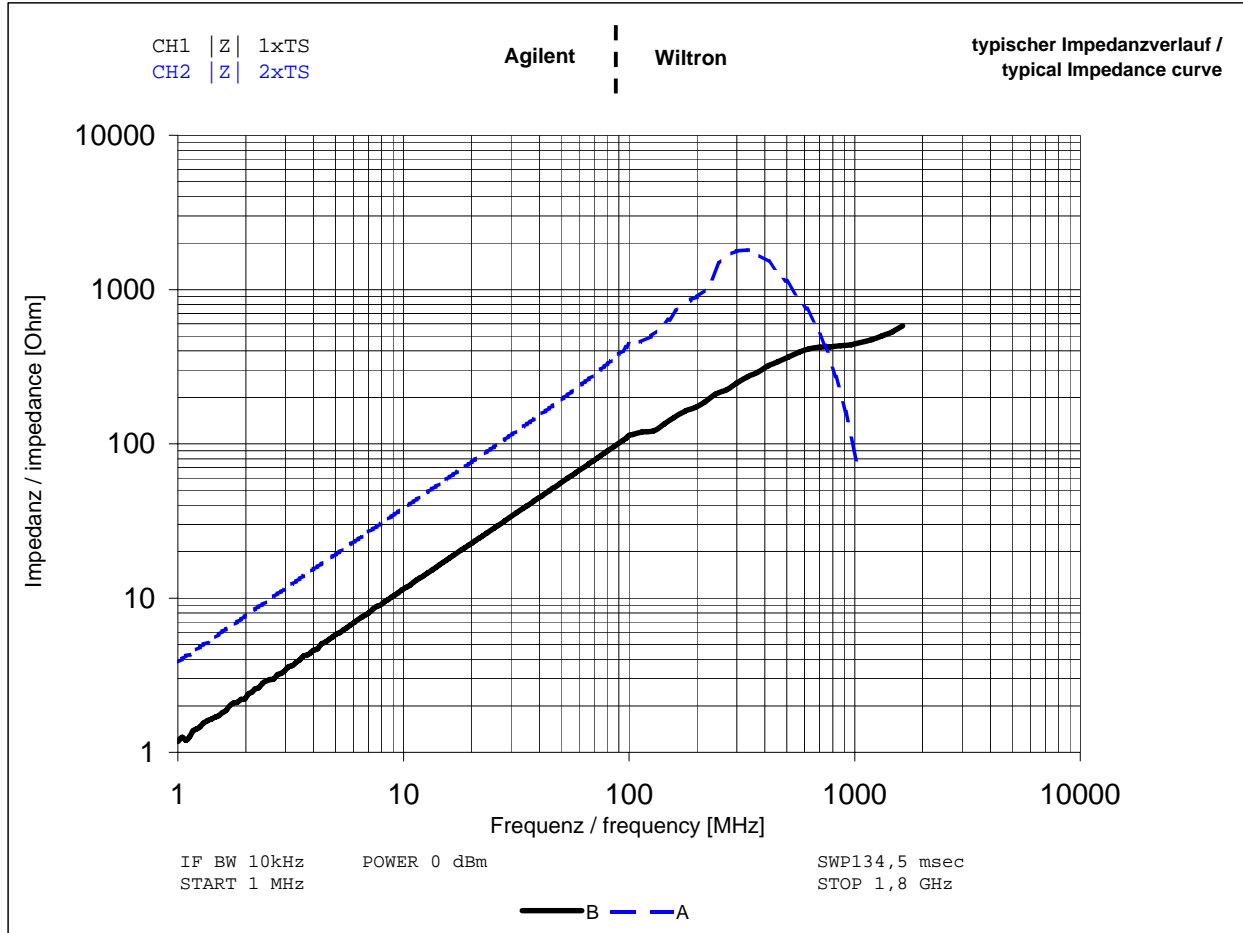
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H Impedanzverlauf / impedance curve:



A: 2 x durch Bohrung Ferrit / 2 x times through ferrite
B: 1 x durch Bohrung Ferrit / 1 x times through ferrite

| | | | | |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
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| | | | | |
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| | | | | |
| Geprüft / checked | Kontrolliert / approved | SMU | Neugestaltung | 07-01-22 |
| | | Name | Änderung / modification | Datum / date |

This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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